

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SLG/45349PCT	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2005/050727	International filing date (day/month/year) 18/02/2005	(Earliest) Priority Date (day/month/year) 04/03/2004
Applicant  LIPMAN ELECTRONICS ENGINEERING		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☒ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3

☐ as suggested by the applicant.

☒ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/EP2005/050727

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-12 and 24 in so far as claim 2 is concerned

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12 and 24 in so far as claim 2 is concerned

Apparatus comprising a wall with an aperture in it, wherein at least a tamper detection conductor path is embedded in said wall around the aperture

---

2. claims: 13-17 and 19 in so far as claim 16 is concerned

Apparatus comprising a housing member and an enclosure fixed in the housing member by a potting material

---

3. claims: 18 and 19 in so far as claim 18 is concerned and 29,30 in so far as claim 18 is concerned

Apparatus comprising a first and a second housing shell and a keypad membrane, wherein a wall is provided in the first or second shell

---

4. claims: 20-23 and 24 in so far as claim 20 is concerned

Chip card contact module comprising a plurality of conductors leading from respective contacts

---

5. claims: 25-28 and 29,30 in so far as claim 28 is concerned

Keypad comprising a flexible membrane overlying a circuit board

---

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/050727

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06K7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 91 05 960 U1 (SIEMENS NIXDORF INFORMATIONSSYSTEME AG, 4790 PADERBORN, DE) 11 June 1992 (1992-06-11) page 1, line 11 - page 3, line 30 figures	1-12
A	DE 30 23 427 A1 (GRETAG AG) 8 January 1981 (1981-01-08) figures	1-12
A	US 6 185 507 B1 (HUBER MICHAEL ET AL) 6 February 2001 (2001-02-06) figure 1	1-12

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&amp;" document member of the same patent family

Date of the actual completion of the international search

30 June 2005

Date of mailing of the international search report

08.11.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Goossens, A

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/050727

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 9105960	U1	11-06-1992	NONE
DE 3023427	A1	08-01-1981	CH 640971 A5 31-01-1984
US 6185507	B1	06-02-2001	AT 199463 T 15-03-2001
		BR 9711359 A 17-08-1999	
		CN 1228857 A 15-09-1999	
		WO 9808189 A1 26-02-1998	
		DE 19634133 A1 26-02-1998	
		EP 0923763 A1 23-06-1999	
		ES 2155256 T3 01-05-2001	
		IN 191988 A1 31-01-2004	
		JP 2000501871 T 15-02-2000	
		JP 3242670 B2 25-12-2001	